

Notice of Allowability

Application No.

10/650,211

Examiner

Kambiz Zand

Applicant(s)

SUBRAMANIAM ET AL.

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/06/2004.
2. ☒ The allowed claim(s) is/are 34-53, now, re-numbered as claims 1-20.
3. ☒ The drawings filed on 23 August 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date enclosed.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Kambiz Zand
[Signature] 04/26/05

DETAILED ACTION
EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Joseph P. Mehrle on 04/25/2005.

The application has been amended as follows:

Claim 34

(Currently amended) A computer readable medium including a border server software, said border server software comprising:

secure connection software for secure communication with a client where the client resides in an insecure network;

insecure connection software for communicating with a target server where the target server resides in a secure network; and

a transformer software configured to transform a secure request received from the client to an insecure request for the target server, [and] the transformer software configured to [also] transform[s] insecure data received from the target server into secure data wherein [during the transformation by] the transformer

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[while the client is authenticated, and then sends] software enables said request and data transformation simultaneously with client authentication; and
the transformer software configured to send the secure data to the client
[computer] upon authentication of the client.

Claim 41

(Currently amended) A method for operating a border server software, said method comprising:

receiving a secure request a client over an insecure network;

transforming the secure request into an insecure request, wherein the transforming of the secure request are enabled and executed simultaneously with the client authentication [during the transforming the client is authenticated],
[and] sending the insecure request to a target server residing in a secure network;

receiving insecure data from the target server; and

transforming the insecure data into secure data and sending the secure data to the client over the insecure network, if the client was successfully authenticated.

Claim 48

(Currently amended) A method for operating a border server software, comprising:

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intercepting a secure request issued from a client for secure data accessible from a secure network, wherein the secure request is intercepted from an insecure network;

authenticating the client during an operation to transform the secure request into an insecure request within the secure network, wherein the client authentication and transformation of the secure request are enabled and executed simultaneously; and

locating the secure data within the secure network and transforming the secure data into insecure data for delivery to the client over the insecure network using secure communications.

2. The text of those sections of Title 35, U.S. Code not included in this section can be found in the prior office action.
3. The prior office actions are incorporated herein by reference. In particular, the observations with respect to claim language, and response to previously presented arguments.
4. Claims 1-33 have been cancelled.
5. Claims 34, 41 and 48 have been amended.
6. Claims 34-53, now re-numbered as claims 1-20 are pending.
7. Examiner withdraws the objection (s) to the specification due to correction(s) by Applicant.

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8. Terminal Disclaimer filed on 03/02/2005 have been acknowledged and recorded (accepted).

9. Examiner withdraws Double-Patenting rejection due to acceptance of Applicant's filed Terminal Disclaimer on 03/02/2005.

Response to Arguments

10. Applicant's arguments filed 12/06/2005 have been fully considered and they are persuasive.

Allowable Subject Matter

11. **Claims 34-53 are allowed.**

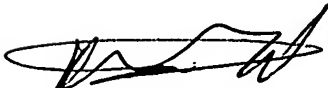
Reasons for allowance are clear from the Applicant's arguments and in the light of the Examiner's amendment of claims 34, 41 and 48. However examiner's reasons for allowance with respect to the transformations of request and data aspects of the claims are restricted in the light of the Applicant's specification, to transformation of HTTP(s) and URL using SSL technology.(i.e. specification do not relate the transformation to encryption/encoding or decryption/decoding process).

Conclusion

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12. Any comments considered necessary by the applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "comments on statement of reasons for allowance."

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kambiz Zand whose telephone number is (571) 272-3811. The examiner can normally be reached on Monday-Thursday (8:00-5:00). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kambiz Zand

04/25/2005

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